

(ROUND BOTTOM)
40°22'30"

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

HAMILTON QUADRANGLE
COLORADO—MOFFAT CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
SE/4 MONUMENT BUTTE IS QUADRANGLE

OPEN FILE REPORT 78-628
PLATE 4 OF 43

EXPLANATION

ISOPACHS - Showing thickness of coal, in feet. Long dashed where inferred; short dashed where projected beyond coal-bearing area. Isopach interval 1 foot.

STRUCTURE CONTOURS - Drawn on top of coal bed. Solid where vertical accuracy within 40 feet; long dashed where vertical accuracy possibly not within 40 feet; short dashed where projected above ground surface. Contour interval 100 feet (31 m). Datum is mean sea level.

DRILL HOLE - Showing altitude of top of coal bed, and thickness of coal, in feet.

POINT OF MEASUREMENT - Showing altitude of top of coal bed, and thickness of coal, in feet. Altitudes not shown for underground mine measured sections. Includes all points of measurement other than drill holes.

UG - Upper Coal Group
MS - Middle Coal Group
LG - Lower Coal Group

COAL BED SYMBOLS AND NAMES - Coal beds identified by bracketed numbers are not formally named, but are numbered for identification purposes in this quadrangle only.

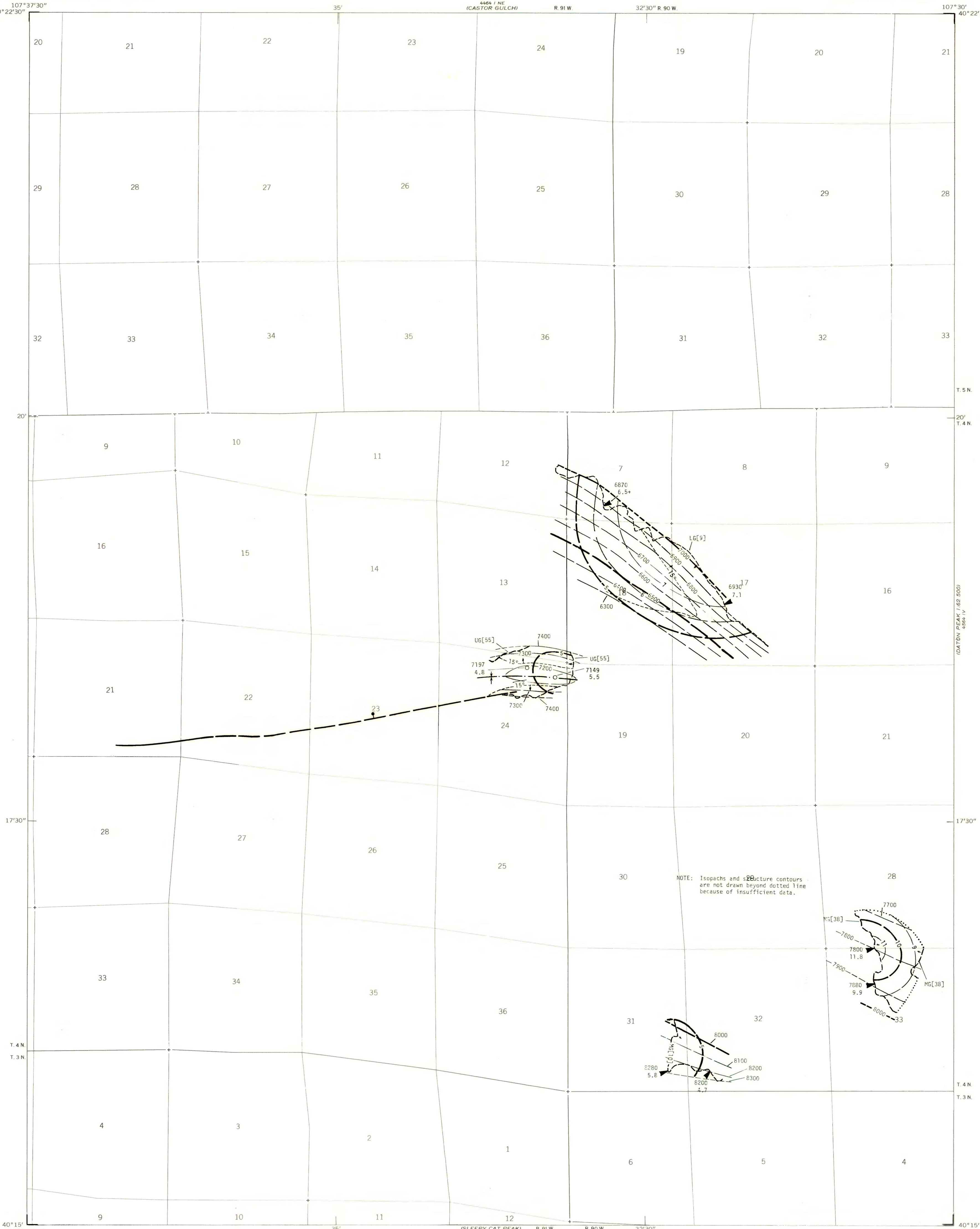
TRACE OF COAL BED OUTCROP - Showing symbol of name of coal bed as listed above. Arrow points toward coal-bearing area. Short dashed where projected by present authors.

SUBSURFACE MINING LIMIT - Showing areas where dips of coal beds are greater than 15° and subsurface mining by conventional methods is not considered feasible. Reserve base tonnages are calculated beyond limit; Reserve tonnages are not. Arrow points toward area where dips are greater than 15°.

TRACE OF AXIAL PLANE OF ASYMMETRIC SYNCLINE - Short arrow indicates steeper limb.

TRACE OF FAULT - Bar and ball on downthrown side. Dashed where inferred or approximately located.

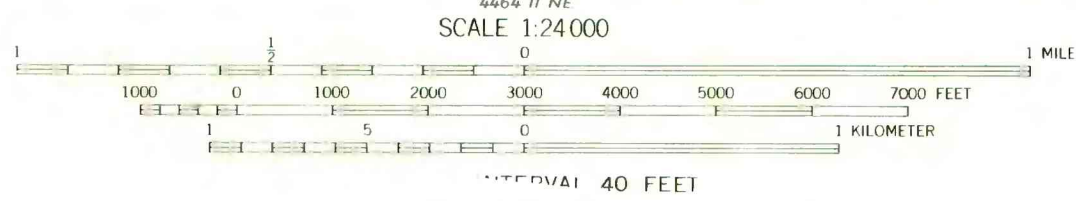
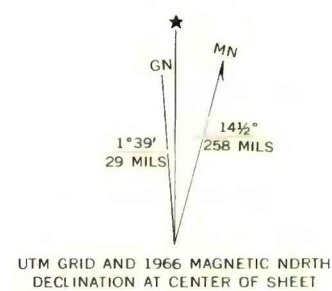
To convert feet to meters, multiply feet by 0.3048.



(THORNHURST)
40°15' 107°37'30"

Base from U.S. Geological Survey, 1966

This report has not been edited for conformity with U.S. Geological Survey editorial standards or stratigraphic nomenclature.



COAL RESOURCE OCCURRENCE MAP OF THE HAMILTON
QUADRANGLE, MOFFAT COUNTY, COLORADO

BY
DAMES & MOORE
1978

PLATE 4

ISOPACH AND STRUCTURE CONTOUR
MAP OF THE LOWER COAL GROUP,
COAL BED [9]; THE MIDDLE COAL
GROUP, COAL BEDS [10] AND [38]; AND
THE UPPER COAL GROUP, COAL BED [55]